Attorney Docket 56.0468

IN THE SPECIFICATION

Please replace page 25 with the following:

case of isotropic layers, the system (5) has the general solution:

$$\hat{u}_r^l = \sum_j \left(d_{jr}^l + f_{jr}^l z\right) e^{\alpha_j^l kz} A_j^l(k) \qquad (7)$$

Here d_{jr}^l and f_{jr}^l are constants that depend on the material constants of the layer, the α_j^l are the roots of the characteristic equation for the system of ordinary differential equations, and the $A_j^l(k)$ are free parameters of the solution that are determined by the forcing terms ~~bi~~ b_i in (1) and the interface conditions prescribed at the boundary between each of the layers (e.g. bonded, frictionless, etc.).

Substituting these displacement components into the stress strain law (2), we can obtain the corresponding stress components: $\hat{\sigma}_{xx}$, $\hat{\sigma}_{yy}$, $\hat{\sigma}_{zz}$, $\hat{\sigma}_{xy}$, $\hat{\sigma}_{xz}$, and $\hat{\sigma}_{yz}$, which can be expressed in the form:

$$\hat{\sigma}_{pq}^l = \sum_j \left(s_{jpq}^l\right) e^{\alpha_j^l kz} A_j^l(k) \qquad (8)$$

Please amend page 39, lines 12-14, as follows:

13. Linkov, A.M., Linkova, A.A. and Savitski, A.A. 1994. *An effective method for multi-layered media with cracks and cavities*. Int. J. of Damage Mech. 3. ~~338-35~~338-355.

Please amend page 40, lines 6-10, as follows:

Other embodiments of this invention beyond the exact specification of the examples set forth herein have been suggested and still others may occur to those skilled in the art upon a reading and understanding of ~~the~~ this specification. It is intended that all such embodiments be included within the scope of this invention.